

CHAPTER XVI II

TEMPEST

18-100 BACKGROUND TEMPEST IS A NICKNAME FOR INFORMATION BEARING EMANATIONS THAT EXIST IN ALL ELECTRONIC AND ELECTRICAL EQUIPMENT. THEY ARE MOST FAMILIAR AS NOISE OR INTERFERENCE ON RADIO AND TELEVISION SETS. COMPROMISING EMANATIONS RELATE TO THE ORIGINAL MESSAGE OR INFORMATION BEING PROCESSED SO THAT IT MAY LEAD TO RECOVERY OF PLAIN TEXT. POOR INSTALLATION OR POSITIONING OF EQUIPMENT MAY AGGRAVATE EXPLOITABLE **VULNERABILITIES** OF A SYSTEM OR FACILITY EVEN THOUGH ALL SYSTEM COMPONENTS ARE TEMPEST COMPLIANT .

18-101 POLICY THE PSD SHALL CONDUCT A RISK EVALUATION OF EQUIPMENTS AND/OR SYSTEMS PROCESSING CLASSIFIED INFORMATION BEFORE PURCHASE AND/OR USE . THIS SHALL PRECLUDE EXPENDITURES FOR COUNTERMEASURES BEYOND THOSE REQUIRED BY REGULATION AND ENSURE PROPER SAFEGUARDS ARE IMPLEMENTED FOR EQUIPMENTS AND/OR SYSTEMS THAT PROCESS CLASSIFIED INFORMATION . THE VULNERABILITIES OF **TEMPEST** EMANATIONS MAY BE **CONTROLLED** BY LIMITING SENSITIVE INFORMATION PROCESSING AND CONTROLLING ACCESS TO EQUIPMENT PROCESSING CLASSIFIED MATERIAL. SOME INSTALLATIONS MAY NOT REQUIRE TEMPEST COMPLIANT EQUIPMENT .

18-102 PROCEDURES

a. 1 TO PROCESS CLASSIFIED **INFORMATION** ON AUTOMATED EQUIPMENT SUCH AS WORD **PROCESSORS** , PRINTERS , OR SIMILAR APPARATUS AND ON NON-AUTOMATED EQUIPMENT SUCH AS FACSIMILE MACHINES OR VIDEO TAPE PLAYERS, THE OSD COMPONENT SECURITY MANAGER SHALL SUBMIT TO THE DIRECTOR, PSD , A MEMORANDUM CONTAINING THE FOLLOWING INFORMATION :

1. THE SUBJECT OF THIS MEMORANDUM SHALL BE: "REQUEST FOR TEMPEST EVALUATION. " **IF** THE REQUEST IS FOR AUTOMATED INFORMATION SYSTEMS AND/OR EQUIPMENT , THE SUBJECT SHALL BE: "REQUEST FOR AIS AND/OR TEMPEST EVALUATION. "

2. **THE** NAME AND TELEPHONE NUMBER OF THE PROJECT OFFICER COORDINATING THE EVALUATION .

3. THE MANUFACTURER , NOMENCLATURE, AND MODEL NUMBER OF EACH EQUIPMENT COMPONENT .

4. ESTIMATE THE AVERAGE AMOUNT OF HOURS PER WEEK OF EACH CATEGORY OF UNCLASSIFIED , CONFIDENTIAL, SECRET, AND TOP SECRET MATERIAL SHALL BE PROCESSED ON EACH EQUIPMENT COMPONENT.

5. THE BUILDING NAME OR ADDRESS AND ROOM NUMBER(S) WHERE THE EQUIPMENT IS AND/OR SHALL BE LOCATED.

6. WHO IS LOCATED ON **THE** OTHER SIDE OF EACH WALL, CEILING AND FLOOR; AND IF ACCESS TO THE AREAS REQUIRES AN ESCORT AND/OR THE LEVEL SECURITY CLASSIFICATION LEVEL .

7. IF ONE **AIS** COMPONENT IS TO BE INTERCONNECTED WITH ANOTHER AIS COMPONENT , A "NETWORKING SCHEMATIC OR DESCRIPTION SHALL BE PROVIDED.

b. THE DIRECTOR, PSD, SHALL:

1. REVIEW REQUESTS FOR TEMPEST RISK EVALUATIONS .
2. CONDUCT SURVEYS TO DETERMINE PROPER COUNTERMEASURES.

c. **THE** PROJECT OFFICER SHALL :

1. ASSIST **THE** PSD IN CONDUCTING SURVEYS.
2. TELEPHONICALLY NOTIFY (697-6247) THE PSD AFTER PURCHASE OR INSTALLATION OF EQUIPMENT IS COMPLETED.